The Korean Intellectual Property Office (KR) Publication of Application (A)

(51) Int.CI. H04M 1/23

(11) Publication No

10-2002-0001918

(43) Publication Date

2002-01-09

(21) Application No

10-2000-0028412

(22) Application Date

2000-05-25

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Examination Requested: Requested

(54) TELEPHONE AND HANGUL INPUTTING METHOD USING IT

Abstract

1

Machine Translation

Human Translation

As to the phone in which the hangul input is possible, the present invention arranges the basic minimum bas consonant, the consonant combination use symbol and the vowel composite can Hohmann for expressing th rest consonant to each keypad of a phone and even when being more and more convenient than a preexistence, the hangul input is rapidly made and it plans a facility in an usage, a phone has. The consonar consisting of the consonant combination use symbol "~" of the consonant "¬", " \vdash ", "

▶ Representative Drawing(s)

Fig. 2

Descritption

Brief explanation of the drawing

- 2 Fig. 1 is an example diagram of the conventional phone keypad
- 3 Fig. 2 is an example diagram of the present invention is the application phone keypad
 - Details of the Invention
 - Purpose of the Invention

The Technical Field to which the Invention Belongs and the Prior Art in that Filed

- The present invention relates to a phone, and the phone in which the hangul input can be more rapidly made provided by the configuration of a vowel and the juxtaposed consonant being minimized in especially, the key phone with a number and the structure of a keypad being simplified and improving so that these are more by seen, the phone has.
- Moreover, in the present invention, by using for a several consonants and the consonant combination use syr required for the consonant combination, and the vowel combination only the vowel combination use symbol 1 necessary is most basic as to a consonant and the necessary vowel of 24, bécomes in the existing Hangul combination the phone in which the rest letter can be combined and the input method of the Korean alphabet phone are provided, the phone have.
- 6 Particularly, the present invention can be usefully used for the mobile unit in which it is necessary to have the hangul input including PDA etc. besides a phone.
- 7 Fig. 1 shows the configuration of the conventional phone keypad in which the hangul input is possible.
- 8 Conventionally, the letter is assembled through the method for altogether thoroughly arranging necessary and Hangul (24 consonants and vowel) to the hangul input on the phone keypad and selecting the Hangul in which wants each out on each keypad.
- 9 However, in a phone, because of being altogether comprised of button ("#", and "*" and Arabic numerals 0~! dozen, 2 or more consonants or a vowel is together juxtaposed in one button and it is unable to be convention instictive.
- Moreover, when inputting the word mixing Hangul and desired, the word had the button in which the corresponding consonant or the vowel was indicated and the disadvantage it selected the necessary letter while going side that with the selection key and use was complicated, of noted being moreover rapidly made with input rate.
- 11 Moreover, in the vowel input method, it repetitively had to press with the several occasions that it had to be troublesome.

Technicalichallengesiofithe, Invention,

- As to the present invention, in order to solve the problem as described above, it has the shape of the location the shape of the principles superior angle consonant of Hangul is pronounced but it works out and it arranges basic minimum basic consonant, the consonant combination use symbol and the vowel composite can Hohm expressing the rest consonant to each keypad of a phone and even when being more and more convenient the preexistence, the hangul input is rapidly made and it plans a facility in an usage, the shape has the purpose.
- The present invention for the above-described object achieving is characterized that a consonant and the nec

- vowel are juxtaposed in the hangul input, it is in the keypad of a phone with a number. The Hangul of 10 a, the altogether comprised of the consonant table operational on the phone keypad for a consonant and vowel exp 6 with the vowel of 4 and a consonant and vowel are not overlapped in each pad and one sick is juxtaposed.
- Provided is a configuration, in which the Hangul which is input to a keypad is comprised of the necessary con mark (" \ ", " ", "-", ":") in 6 consonants (the consonant "¬", "ㄴ", "ㅁ", "ㅁ", "ㅇ" and the basic consonant combination use symbol "~") and 4 vowels (vowel combination.
- More concretely, it is the same as that of the next time the example drawing which is below, the configuration present invention and functional effect etc. attached.

Structure & Operation of the Invention

- 17 <u>Fig. 2</u> shows the structure where a consonant and vowel are arranged in the keypad of the phone in which the invention is applied to.
- 18 The basic consonant "¬", "¬", "¬", "¬", "¬" which is the special symbol (41), the present invention need fo numeric button of "*" (42) 10 rests as to the numeric keypad (30) of a phone for the consonant input and the combination mark "] ", " " required for the consonant (10) and the vowel combination consisting of the consonant combination use symbol "~" of 6: it is comprised of the organized vowel (20) of 4.
- 19 It is preferable that the consonant (10) determines the arbitrary order "¬". It is successively "¬", "¬", "¬", "¬" rest consonant combination use symbol "¬" arranged. The consonant combination use symbol "¬" arranges to positioned in central part ("2" numeric button between "3" button ("¬") and "1" button ("¬") it does based on attached view) of the fundamental consonant of 5 in consideration of the translation distance of the finger.
- It is successively "o" arranged as to the numeric button of the phone keypad (30) in the button of the number "¬", and the button of the number "2" in the consonant combination use symbol "~", and the button of the number "4" in "¬", and the button of the number "5" in "¬", and the button of the "6" if it tries this way.
- 22 And " · ", and "—" as described above, a vowel determines the arbitrary order "] ": it arranges to a net.

- "*" among the button which is the phone keypad hurt if it tries this way, and "#" the rest button, that is, "*" among positioned in the bottom side button, and "#" the rest button, that is, "] " in the button of the number "7", "." in button of the number "8", "—" in the button of the number "9", and the button of the number "0": it is successive arranged with " this.
- 25 Embodiment 1.
- 26 The consonant positioned on a keypad selects the correspond consonant and it inputs and it inputs the Hang assembles and desiring of the fundamental consonant on the consonant combination use sign button "~" and the consonant doing not have in a keypad.
- For example, after when to inputting "¬", firstly the consonant combination use symbol "~" being selected an inputting, "¬" is again inputted, or "~" is inputted in other words after inputting "¬" on the contrary.
- 28 If it tries this way, it recognizes the word consisting of "¬" and "~" as "¬" and "¬" and "¬" drawing output in t meter of a phone in a screen.
- 29 Concretely the above-described input method is explained than the table 1 and table 2.
- 30 Embodiment 2.
- 31 The input of a vowel is "] ", ".", "—": four kinds button is inputted through the method for assembling.
- For example, "" tries to be inputted: it recognizes as "the indicator button is once pressed and it inputs" "
 meter is this it tries this way a button is found and it again inputs"
 " and it outputs to a screen.
- 33 Concretely the above-described input method is explained than the table 3.

Effects of the Invention

As illustrated in the above, by comprising a vowel with the consonant adding the consonant combination use to each keypad inscribing the number of a phone to minimum 5 fundamental consonants and vowel combinat symbol 4 of 6 and a consonant and the vowel arranged for the hangul input on a keypad not being overlapped by one arranging it is instictive. It can be convenient and it be rapidly made and it plans a convenience in an ι

35 Table 1.

Table 1

Collating sequence	The generated character	The button example actually pressed down	
7	7	The first a button	
L	L	The third a button	
~ L		The second a button the + the third button	
~ ~ ~	2	The second a button the + the second button + the second button	

0	D	The fifth a button	
~ 🖸	ㅂ	The second a button the + 5 burn button	
٨	<u>۸</u>	The fourth a button	
0	0	The sixth a button	
~ 人	ズ	The second a button the + 4 burn button	
~~ 人	츳	The second a button the + the second button + 4 burn button	
~ 7	7	The second a button the + the first button	
~~ ∟	E	The second a button the + the second button + the third button	
~~ 🛭	<u>v</u>	The second a button the + the second button + 5 burn button	
~ 0	ਰ	The second a button the + 6 burn button	
~~ 0	ত	The second a button the + the second button + 6 burn button	

36 Table 2.

Table 2

Collating sequence	The generated character	The button example actually pressed down	
	٦	The first a button	
L	L.	The third a button	
L ~	E	The third a button the + the second button	
~ ~ ~	2	The second a button the + the second button + the second button	
U	П	The fifth a button	
口~	Ħ	The fifth a button the + the second button	
٨	۸	The fourth a button	
0	0	The sixth a button	
۸ ~	ス	The fourth a button the + the second button	
人 ~~	ネ	The fourth a button the + the second button + the second button	
7 ~	7	The first a button the + the second button	
ㄴ ~~	E	The third a button the + the second button + the second button	
□ ~~	<u>17.</u>	The fifth a button the + the second button + the second button	
0 ~	ਨ	The sixth a button the + the second button	
0 ~~	ठं	The sixth a button the + the second button + the second button	

37 Table 3.

Table 3

Collating sequence	The generated character	ited character The button example actually pressed	
		down	
1.	}	The seventh a button the + 8 burn button	
1:	<u> </u>	The seventh a button the + 0 burn button	
<u>. l</u>	1	The eighth a button the + 7 burn button	
:]	‡	0 burn button + 7 burn button	
. —	<u></u>	The eighth a button the + 9 burn button	
: 1	과	0 burn button + 9 burn button	
<u> </u>	Т	The nineth a button the + 8 burn button	
-:	Т	The nineth a button the + 0 burn button	
		The nineth a button	
1		The seventh a button	

Scope of Claims

Claim[1]:

38 The consonant "¬", "¬", "¬", "¬", "¬" and the consonant combination use symbol "~", basic as to the phon arranging a consonant and vowel and inputs Hangul to the keypad of a phone through these combinations in phone keypad and the vowel combination mark " | ", ".", "—" required for the vowel combination: a phone who placed.

Claim[2]:

41 "¬", "ㄴ", "□", "ㅅ", "ㅇ", "~", " \ ", "-" in the numeric button of "*" 10 rests it is the special symbol as to in a phone "#": a phone wherein one sick is arranged without " Lee Sang Ho being overlapped.

Claim[3]:

"] " in the button of "7", " · " in the button of "8", "—" in the button of "9", and the button of "0" " o " is arranged

button of the number "1" of a phone as to claim 2 in "¬", and the button of "2" in the consonant combination consymbol "~", and the button of "3" in "¬", and the button of "4" in "¬", and the button of "5" in "¬", an

Claim[4]:

Claim[5]:

45. The input method of the Korean alphabet using a phone of claim 4, wherein the consonant combination using fundamental consonant ("¬", "ㄴ", "ㅁ", "ㅅ", "ㅇ") on the consonant combination use symbol "~" and keypad of the configuration of the table 1.

Claim[6]:

The input method of the Korean alphabet using a phone of claim 4, wherein the consonant combination using fundamental consonant ("¬", "ㄴ", "□", "人", "ㅇ") on the consonant combination use symbol "~" and keypad of the configuration of the table 2.

Claim[7]:

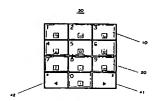
The vowel combination mark "] ", " · ", "—" as to claim 4: the input method of the Korean alphabet using a phytherein the vowel combination using is made of the configuration of the table 3.

Claim[8]:

The input method of the Korean alphabet using a phone of claim 4, wherein the hangul input is made of the combination of the table 1 and table 3 or the table 2 and table 3.



1	2	3
763	ce	08
4	5	6
۸٥.	7. X	ЕДŧ
7	8	9
1-1	⊥т	11-
•	0	•
	μπι	▶



o Fig. 2